

MIL-STD-187-700  
1 JUNE 1992

**MILITARY STANDARD**

INTEROPERABILITY  
AND  
PERFORMANCE STANDARDS  
FOR THE  
DEFENSE INFORMATION SYSTEM



AMSC N/A

AREA SLHC/TCTS/DCPS

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FOREWORD

1. This military standard (MIL-STD) is approved for use by all departments and agencies of the Department of Defense (DoD).

2. Beneficial comments (recommendations, additions, deletions) and any pertinent data that may be of use in improving this document should be addressed to:

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by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

3. MIL-STD-188-100, -200, and -300 series documents contain performance standards for existing DoD long-haul and tactical communications systems. These standards apply to current analog and digital network elements used to form a connection of loosely coupled subsystems, each designed to provide a unique service. MIL-STD-187 series documents are planning standards for systems and system parameters that have not been tested. It is intended that all or part of this document will transition to a MIL-STD-188 series document as the parameters defined in this document are validated through testing.

4. We are approaching an era in which digital communications and computer networks will be combined into an information system. The Defense Information Systems Agency (DISA) and the services recognize the need to move beyond the traditional approach reflected in the MIL-STD-188 series. The purpose of this -187 series document is to provide the framework for a forward-looking standards base required to plan and design the Defense Information System (DIS). It should be understood that there are some areas in which standards direction is not yet clear. These areas are discussed in this document and they are subject to further definition.

5. This document contains the technical standards and design objectives necessary to provide a DIS that will allow strategic and tactical users to exchange all forms of information digitally. The standards contained herein are common to both tactical and strategic systems, unless otherwise specified. This document addresses all interoperability elements specified in the DIS framework, except data-

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processing standards such as standard programming languages and data elements.

6. The standards in this document are based on, or make reference to, corresponding parameters in other MIL-STDs, as well as American National Standards Institute (ANSI) standards, International Telegraph and Telephone Consultative Committee (CCITT) recommendations, International Organization for Standardization (ISO) standards, and STANAGs, wherever applicable.

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